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10/595,447	02/22/2007	Reijo Pekkala	P18714-US1	9831
27045	7590	05/12/2010		
ERICSSON INC. 6300 LEGACY DRIVE M/S EVR 1-C-11 PLANO, TX 75024				
EXAMINER				
CHAI, LONGBIT				
ART UNIT		PAPER NUMBER		
2431				
NOTIFICATION DATE		DELIVERY MODE		
05/12/2010		ELECTRONIC		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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# Office Action Summary

**Application No.**

10/595,447

**Applicant(s)**

PEKKALA ET AL.

**Examiner**

LONGBIT CHAI

**Art Unit**

2431

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 March 2010.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-10 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-10 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 20 April 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO/SI.08)  
4) ☐ Interview Summary (PTO-413)  
5) ☐ Notice of Interval Patent Application  
6) ☐ Other: \_\_\_\_\_  
Paper No(s)/Mail Date \_\_\_\_\_

### **DETAILED ACTION**

1. Currently pending claims are 1 – 10.

#### ***Response to Arguments***

2. Applicant's arguments with respect to instant claims have been fully considered but are moot in view of the new ground(s) of rejection necessitated by Applicant's amendment.

#### ***Claim Objections***

3. Claim 1 is objected to because of the following informalities: "a telecommunication network ..." should be replaced with "a telecommunication network system having at least a gateway node, with a first domain comprising: a mobile application part protocol instance connected to the gateway node configured to send and receive by a processor, mobile application part messages ...". Appropriate correction(s) is (are) required.
4. Likewise, claim 6 is suggested to be amended as "an interface to second domain of the telecommunication network for sending and receiving by a processor, secured mobile application part messages ...". Appropriate correction(s) is (are) required.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1, 4, 5, 6, 9 and 10 are rejected under 35 U.S.C. 102(b) as being anticipated by (3GPP TS 33.200 V5.0.0 Release 5 March 2002) hereafter referred as "3GPP-TS-33-200".

As per claim 1 and 6, 3GPP-TS-33-200 teaches a telecommunication network having at least a gateway node, with a first domain comprising:

**a mobile application part protocol instance connected to the gateway node (3GPP-TS-33-200: Page 6 / Line 9 –11 & Figure 1: MAPsec inter-domain security management by a gateway network entity between two PLMNs) configured to send and receive mobile application part messages in accordance with the 3<sup>rd</sup> Generation Partnership Project (3GPP) Technical Specification (TS) 33.200, the gateway node being connected to a second domain, wherein the gateway node is adapted to receive a mobile application part message from the first domain, to convert the received mobile application part message obtaining a secured mobile application part message, and to send the obtained message to the second domain (3GPP-TS-33-200: Page 6 / Line 9 –11, Page 11 / Section 5.5 / Last Para and Page 21 / Item #8: the protected payload of MAP message is encrypted in mode 2), the gateway node further being configured to receive a secured mobile application part message from the second domain, to extract an unsecured mobile application part message from the received secured mobile application part message and to send the extracted message towards the first domain (3GPP-TS-33-200: Figure 1 & Page 6 / Line 9 –11, Page 11 / Section 5.5 / Last Para: (a) MAPsec inter-domain security management by a gateway network entity between two PLMNs and (b) the 1<sup>st</sup> GW network entity of the 1<sup>st</sup> domain (PLMN A) receives an encrypted message from the 2<sup>nd</sup> domain (PLMN B), decrypts the message and forwards to the destined nodes at the 1<sup>st</sup> domain (PLMN A)).**

As per claim 2 and 7, 3GPP-TS-33-200 teaches the gateway node performs a selective discarding of mobile application part messages received from the first domain and destined for the third domain and a selective discarding of mobile application part messages received from the third and destined for the first domain (3GPP-TS-33-200: Page 20 / Figure 1 & Item# 1(c) and Page 22 / 1<sup>st</sup> – 2<sup>nd</sup> Para: the MAP message is aborted / discarded for communications as security required).

As per claim 3 and 8, 3GPP-TS-33-200 teaches the gateway node performs as a firewall towards the third domain (3GPP-TS-33-200: Page 20 / Figure 1 & Item# 1(c) and Page 22 / 1<sup>st</sup> – 2<sup>nd</sup> Para: a gateway network entity to abort / discard the message as security required is indeed qualified as a firewall between domains).

As per claim 4 and 9, 3GPP-TS-33-200 teaches the gateway node is connected to different domains, and levels of security are configurable for the different domains (3GPP-TS-33-200: Page 6 / Line 9 – 11, Page 11 / Section 5.5: MAPsec inter-domain security management by a gateway network entity between two PLMNs using different configurable security modes).

As per claim 5 and 10, 3GPP-TS-33-200 teaches for a particular domain a fallback to a lower level of security than the configured level of security for the particular domain is allowable and allowing the fallback to the lower level of security is configurable for one domain independently from a configuring of an allowing of a respective fallback to a lower level of security level for another domain (3GPP-TS-33-200: Page 9 Line 7 – 9, Section 5.3 / 3<sup>rd</sup> Para and Page 22 / 1<sup>st</sup> Para).

***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LONGBIT CHAI whose telephone number is (571)272-3788. The examiner can normally be reached on Monday-Friday 9:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William R. Korzuch can be reached on 571-272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Longbit Chai/

Longbit Chai E.E. Ph.D  
Primary Examiner, Art Unit 2431  
4/6/2010